

S/N Unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Alan F. Marcovecchio et al.	Examiner:	Unknown
Serial No.:	Unknown	Group Art Unit:	Unknown
Filed:	Herewith	Docket:	279.134US2
Title:	METHOD AND SYSTEM FOR VERIFYING THE INTEGRITY OF NORMAL SINUS RHYTHM TEMPLATES		

PRELIMINARY AMENDMENT

BOX PATENT APPLICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Please amend the above-identified patent application as follows:

IN THE SPECIFICATION

On page 1, line 4, before the heading, "Field of the Invention", insert the following paragraph:

Cross Reference to Related Applications

This application is a continuation of U.S. Patent Application No. 09/267,306, filed on March 12, 1999, the specification of which is incorporated herein by reference.

Please replace the paragraph beginning on page 17, line 1, with the paragraph, as amended, below. Applicant has enclosed a marked-up version of the below-amended paragraph in the appendix entitled "Marked-Up Version of the Amended Specification Paragraph".

In one example, the ICD 300 senses cardiac signals from the heart 320. When the ICD 300 detects the occurrence of an arrhythmic event, the ICD 300 analyzes the sensed arrhythmic complexes (*i.e.*, the cardiac signals) of the arrhythmic event. In one embodiment, the ICD analyzes and compares the sensed arrhythmic complexes with respect to the NSR template to assess the origin of a cardiac arrhythmia (*e.g.*, determining a ventricular tachycardia (VT) versus a supraventricular tachycardia (SVT). Based on the comparison, the ICD 300 is able to distinguish SVT events from VT events and, depending upon the ICD's classification of the arrhythmic event, to provide appropriate therapy to treat the heart 320. Some methods useful for

PRELIMINARY AMENDMENT

Serial Number: Unknown

Filing Date: Herewith

Title: METHOD AND SYSTEM FOR VERIFYING THE INTEGRITY OF NORMAL SINUS RHYTHM TEMPLATES

Page 2

Dkt: 279.134US2

distinguishing SVT events from VT events are presented in U.S. Patent No. 6,223,078, entitled "Discrimination of Supraventricular Tachycardia and Ventricular Tachycardia Events," the specification of which is hereby incorporated by reference in its entirety.

REMARKS

The specification is amended to add a cross reference to the prior application. No new matter is added by way of these amendments.

The Applicant respectfully requests that the preliminary amendment described herein be entered into the record prior to examination and consideration of the above-identified application.

Respectfully submitted,

ALAN F. MARCOVECCHIO ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938

Minneapolis, MN 55402
(612) 373-6912

Date

Aug 2, 2001

By

Timothy E. Bianchi

Timothy E. Bianchi
Reg. No. 39,610

"Express Mail" mailing label number: EL709307407US

Date of Deposit: August 2, 2001

This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to The Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

Marked-Up Version of the Amended Specification Paragraph

**METHOD AND SYSTEM FOR VERIFYING THE INTEGRITY OF NORMAL SINUS
RHYTHM TEMPLATES**

Applicant: Alan F. Marcovecchio et al.

Serial No.: Not Assigned

Specific amendments to the paragraph beginning on page 17, line 1 are as follows:

In one example, the ICD 300 senses cardiac signals from the heart 320. When the ICD 300 detects the occurrence of an arrhythmic event, the ICD 300 analyzes the sensed arrhythmic complexes (*i.e.*, the cardiac signals) of the arrhythmic event. In one embodiment, the ICD analyzes and compares the sensed arrhythmic complexes with respect to the NSR template to assess the origin of a cardiac arrhythmia (*e.g.*, determining a ventricular tachycardia (VT) versus a supraventricular tachycardia (SVT). Based on the comparison, the ICD 300 is able to distinguish SVT events from VT events and, depending upon the ICD's classification of the arrhythmic event, to provide appropriate therapy to treat the heart 320. Some methods useful for distinguishing SVT events from VT events are presented in [U.S. Patent Application Serial Number _____] U.S. Patent No. 6,223,078, entitled "Discrimination of Supraventricular Tachycardia and Ventricular Tachycardia Events[" which is filed on the same day as the instant U.S. Patent application and that] , the specification of which is hereby incorporated by reference in its entirety.